

- 1 What we claim as our invention is:
- 2 1. The combination comprising:
- 3 a) a catch basin including,
- 4 1) an inlet through which storm water and pollutants flow into the catch
- 5 basin,
- 6 2) an outlet through which water flows out of the catch basin,
- 7 3) basin side walls and bottom and
- 8 b) a catch basin inlet grate,
- 9 c) a catch basin filter.
- 10 d) an attachment means that couples the basin filter to the inlet grate by
- 11 encircling the grate during both filtration and filter removal.
- 12 2. The attachment means according to claim 1 comprises a top edge
- 13 of the filter which encircles the grate forming a bag opening which is
- 14 adjustable to be made smaller in circumference than the circumference of the
- 15 outside rim of the grate whereby the filter bag is prevented from accidentally
- 16 separating from the inlet grate.
- 17 3. The attachment means according to claim 2 has a an attachment to decrease,
- 18 fix and increase the circumference of the bag opening whereby the filter can
- 19 be fixed to the grate or released from the grate.
- 20 4. The attachment means according to claim 2 comprises a pull cord to decrease,

- 1 fix, and increase the circumference of the bag whereby the bag attachment
2 can allow the filter to attach itself to the inlet grate or release itself from the
3 inlet grate.
- 4 5. The attachment means according to claim 1 which encircles the grate by using
5 one or more straps which are also joined to the filter bag.
- 6 6. The attachment means according to claim 1 comprises an attachment
7 which encircles the grate by one or more wires which are joined to
8 the filter bag.
- 9 7. The attachment means according to claim 1 which encircles the grate by
10 one or more cables which are joined to the filter bag.
- 11 8. The attachment means according to claim 1 wherein the filter is essentially
12 located on the top of the grate and the attachment to the grate is essentially
13 located on the underside of the inlet grate.
- 14 9. The attachment means according to claim 1 wherein the filter essentially
15 envelops the inlet grate during both filtration and removal.
- 16 10. The combination comprising:
- 17 a. a catch basin including,
- 18 1) an inlet through which storm water and pollutants flow into the catch
19 basin,
- 20 2) an outlet through which water flows out of the catch basin,
- 21 3) basin side walls and bottom and
- 22 b. a catch basin inlet grate
- 23 c. a catch basin filter

1. d. an attachment that encircles the grate and thereby couples the basin filter to
2. the inlet grate during both filtration and filter removal.
3. 11. The catch basin filter according to claim 10 comprises a porous fabric
4. which allows storm water to pass through while retaining pollutants.
5. 12. The filter apparatus according to claim 10 is comprised of a chemical
6. absorbing material for the removal of hazardous waste.
7. 13. The attachment apparatus according to claim 10 comprises a filter bag top
8. edge which encircles the grate forming a bag opening with an inside
9. circumference which is adjustable to be made smaller than the outside
10. circumference of the inlet grate.
11. 14. The attachment apparatus according to claim 13 has a pull cord to pull
12. together, fix, and release the encirclement of the opening of the filter bag
13. to form a variable size opening including a smaller inside circumference
14. than the outside circumference of the grate.
15. 15. The attachment apparatus according to claim 13 has a pull cord
16. comprising a wire.
17. 16. The attachment apparatus according to claim 13 has a pull cord
18. comprising a cable.